HITACHI
Inspire the Next

Owner's Manual

VIDEO CASSETTE RECORDER
VT-FX440E(UK)

VHS PAL

Please read before using this product.

IMPORTANT COPYRIGHT INFORMATION
Unauthorised recording or use of broadcast television programming, video tape, film or other copyrighted material may violate applicable copyright laws. We do not take responsibility for the unauthorised duplication, use, or other acts which infringe upon the rights of copyright owners.

A NOTE ABOUT RECYCLING
This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.
Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.

This appliance has a serial number located on the rear panel. Please note down the model number and serial number and retain the information for your records.
Model number: _____
Serial number: _____

Positioning

• Do not place the VCR directly on top of, or underneath, your TV set. Ensure that there is at least 20 cm between the VCR and the TV set, and that air can circulate freely through the ventilation openings of the VCR.

Safety Precaution

WARNING: DANGEROUS VOLTAGE INSIDE

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

Features

- **Hi-Fi system**
- **Automatic Operations**
- **On Screen Display**
- **Auto Repeat Playback**
- **Picture Select**
- **One Touch Recording**
- **Parents Lock**
- **Auto Return**
- **Timer Recording**
- **Auto Head Cleaner**
- **NTSC Playback**
- **Quick-Find**
- **Index/Time Search**
- **Slow Motion**
- **Auto Clock Setting**
- **PDC**

VIDEO Plus+®

VIDEO Plus+ and PlusCode are registered trademarks of Gemstar Development Corporation. The VIDEO Plus+ system is manufactured under license from Gemstar Development Corporation.

PRECAUTIONS

Important

• Use only cassettes with the VHS mark with this VCR.

Power Supply

• The main power supply is engaged when the power cord plug is plugged in a 220-240V ~ 50Hz, AC outlet. To operate the unit, press the OPERATE button to turn on the unit. (The "PWR." indicator on the display comes on.)

Dew Warning

• Moisture condensation may occur inside the unit when it is moved from a cold place to a warm place, after heating up a cold room, or under conditions of high humidity. Do not use the VCR for at least 2 hours until its inside is dry.

Warning

• To avoid fire or electric shock, do not expose this unit to rain or moisture.

WARNING: LIVE PARTS INSIDE. DO NOT REMOVE ANY SCREWS.

Cautions

1. Do not attempt to open the cabinet. There are no parts you can service inside. Refer all servicing to qualified service personnel.
2. Slots and openings in the cabinet and the sides or bottom are provided for ventilation. To ensure reliable operation and to protect the unit from overheating, these openings must not be blocked or covered.
   Avoid installation in enclosed spaces such as bookcases unless proper ventilation is provided.
3. Keep the unit away from radiators and other heat sources.
4. Avoid use near strong magnetic fields.
5. Do not push objects of any kind into the VCR through the cabinet slots or openings as they could touch electrically live parts or short circuit parts resulting in a fire or electric shock.
6. Never spill liquid on this unit. If liquid is spilled and penetrates into the unit, consult qualified service personnel.
7. Use this unit in a horizontal (flat) position only.
8. Before attempting to operate the unit, make sure that the timer recording mode is "OFF".
9. This product is in Stand-by mode when it turns off while the power cord is connected.
10. Do not place any combustible objects on the device (candle, etc.).

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MAINTENANCE

Cabinet Cleaning

- Wipe the front panel and other exterior surfaces of the VCR with a soft cloth that has been immersed in lukewarm water and wrung dry.
- Never use a solvent or alcohol. Do not spray insecticide liquid near the VCR. Such chemicals may cause damage and discolouration to the exposed surfaces.

Auto Head Cleaning

- This feature automatically cleans the heads as you insert or remove a cassette to ensure a clear picture.
- The playback picture may become blurred or interrupted even if the TV programme received is clear. This does not mean that the recorded programme has been erased. This problem is caused by dirt accumulated on the head after long periods of use, or usage of rental or old tapes. In this case, head cleaning requires highly technical expertise and the nearest dealer should therefore be consulted. Clean heads only when problems occur.

Service

- Should your VCR become inoperative, do not try to correct the problem by yourself. There are no user-serviceable parts inside. Turn the unit off, unplug the power cord, and take the unit to a Service Centre for servicing.

CONNECTION TO POWER

Before Switching on make sure that the voltage of your electricity supply is the same as that indicated on the rating plate.

Mains Cord

This appliance may be fitted with a non-rewireable plug. If it is necessary to change the fuse in a non-rewireable plug the fuse cover must be refitted. If the fuse cover is lost or damaged, the plug must not be used until a replacement available from the appliance manufacturer is obtained.

It is important that the colour of the replacement fuse cover corresponds with the rating marking on the base of the plug.

If the plug has to be changed because it is not suitable for your socket, or becomes damaged, it should be cut off and an appropriate plug fitted following the wiring instructions below. The plug removed must be disposed of safely as insertion into a 13A socket is likely to cause an electrical hazard. For your own safety read the following instructions carefully before attempting to connect this unit to mains.

The wires in this mains lead are coloured in accordance with the following code:

BLUE=NEUTRAL, BROWN=LIVE

Important

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:-

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

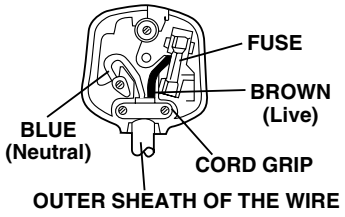
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

No connection is to be made to the earth terminal of the plug.

If a 13 Amp (BS 1363) Plug is used, a 3 Amp Fuse must be fitted, or if any other type of Plug is used a 3 or 5 Amp Fuse must be fitted, either in the Plug or Adaptor, or on the Distribution Board.

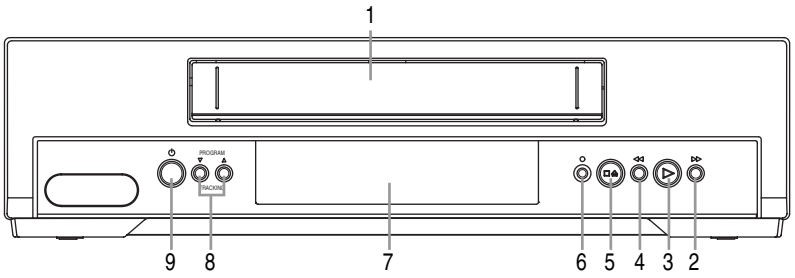
Mains Supply: 220 - 240V ~ 50 Hz - AC only

Do not make any connection to the larger pin marked with the letter “E” or by the symbol ⏚ or coloured green or green and yellow.



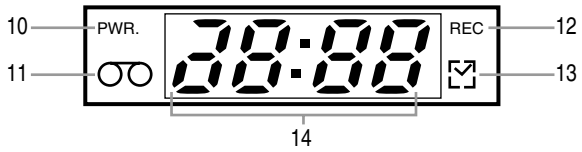
DESCRIPTION OF CONTROLS

Front Panel



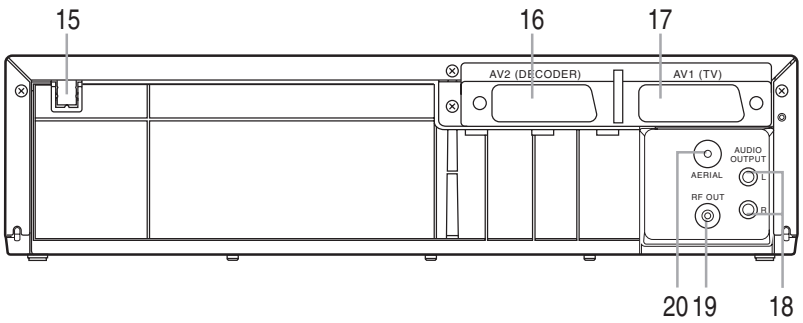
1. Cassette compartment
2. ▶▶ (F.FWD) button
3. ▶ (PLAY) button
4. ◀◀ (REW) button
5. ■ ⏏ (STOP/EJECT) button
6. ● (REC/OTR) button
7. Indicator (See below)
8. PROGRAM (▲/▼) [TRACKING] buttons
9. ⏻ (OPERATE) button

Indicator



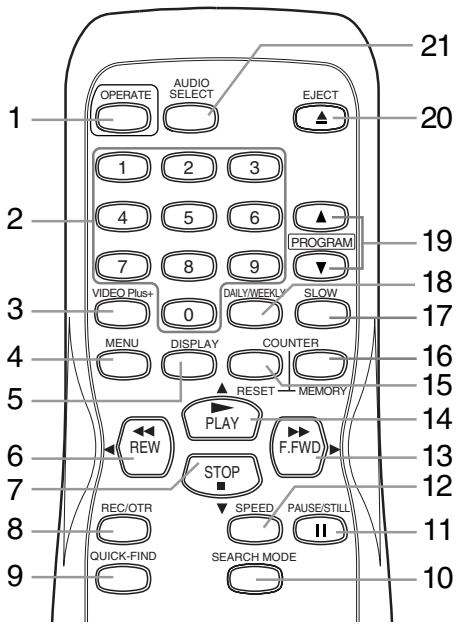
10. PWR. (Power) indicator
11. TAPE IN indicator
12. REC indicator
13. ⏲ (Timer) indicator
14. CLOCK indicator

Rear Panel



15. Power cord
16. AV2 (DECODER) socket
17. AV1 (TV) socket
18. AUDIO OUTPUT L/R jacks
19. RF OUT socket
20. AERIAL socket

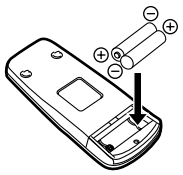
Remote Control



1. OPERATE button
2. NUMBER buttons
3. VIDEO Plus+ button
4. MENU button
5. DISPLAY button
6. REW/◀ button
7. STOP/▼ button
8. REC/OTR button
9. QUICK-FIND button
10. SEARCH MODE button
11. PAUSE/STILL button
12. SPEED button
13. F.FWD/▶ button
14. PLAY/▲ button
15. COUNTER RESET button
16. COUNTER MEMORY button
17. SLOW button
18. DAILY/WEEKLY button
19. PROGRAM (▲/▼) buttons
20. EJECT button
21. AUDIO SELECT button

To insert the batteries:

Install two AA batteries matching the polarity indicated inside the battery compartment.



CAUTION

On Battery Replacement

- Do not mix old and new batteries. (Also never mix alkaline batteries with manganese batteries.)

SPECIFICATIONS

General Specifications

Television system:	PAL I TV standard
Video heads	Six comprising of Four-video and Two-audio heads Helical scan system
Tape width :	12.65mm
Tape speed	
SP :	23.39mm/sec.
LP :	11.70mm/sec.
Tuner channel	
	IRA~IRJ E21~E69 CATV
RF converter :	Built-in UHF converter
Converter output :	UHF Channel 22 to 69 (adjustable)
Timer indication :	24-hour system
Operating temperature :	5ºC ~ 40ºC
Terminals	
AERIAL :	Coaxial type, male
RF OUT :	Coaxial type, female
AUDIO/VIDEO :	21 pin scart socket x 2
AUDIO output :	RCA connector x 2

Electrical Specifications

Video output level :	1Vp-p
Video output impedance :	75Ω unbalanced
Audio output level :	-6dBv
Video input level :	0.5 ~2.0Vp-p
Audio input level :	-10dBv
Video S/N ratio (STANDARD):	45dB
Audio S/N ratio (STANDARD):	41dB

Other Specifications

Power requirement :	220-240V ~ 50Hz
Power consumption :	25 Watts (Stand by: 3.5watts)
Dimensions :	W 360mm H 92mm D 226mm
Weight :	2.6 Kg. (approx.)

• Designs and specifications are subject to change without notice.

VCR to TV Connection

1 Disconnect the TV's power cord from the AC outlet.

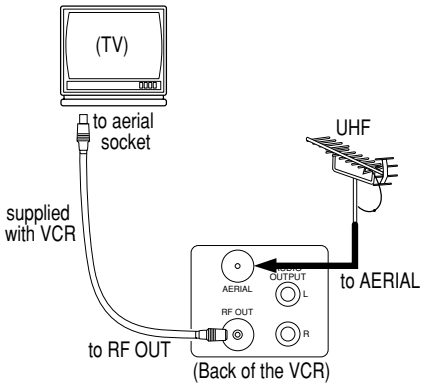
2 Disconnect the aerial from the back of your TV and connect it to the AERIAL socket on the back of the VCR.

3 Connect one end of the additional aerial lead supplied with your VCR to the RF OUT socket on the back of the VCR.

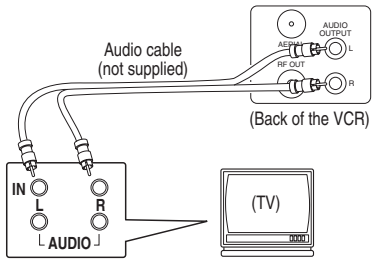
4 Connect the other end of the supplied aerial lead into the aerial socket at the back of your TV.

5 For best results connect a Scart cable (not supplied). See the diagram of "Other Connections".

6 Plug the power cords of the VCR and TV into the AC outlets.



NOTE:
- If your TV has AUDIO input jacks, you may connect the AUDIO OUTPUT L/R jacks on the back of the VCR to the AUDIO input jacks on your TV.



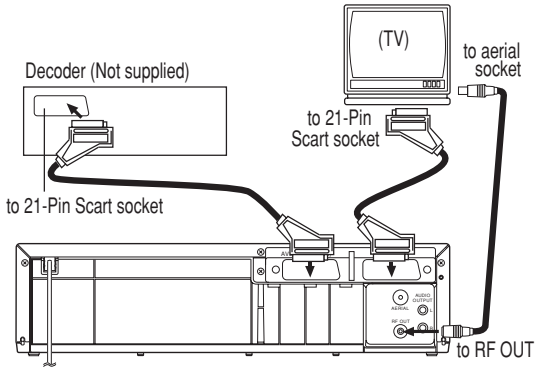
Other Connections

EURO SCART (AV) SOCKETS

Your VCR has two SCART sockets at the rear which can be used to connect to the television and external devices e.g. satellite decoders (Sky), digital terrestrial decoders (Freeview), cable decoders (NTL, Telewest) or camcorders and games consoles.

We recommend using SCART connections to obtain the best quality picture and sound.

NICAM stereo sound is only achieved when using a SCART lead.



Euro Scart cables are obtainable at your dealer.

AV1 (TV) CONNECTION TO TV

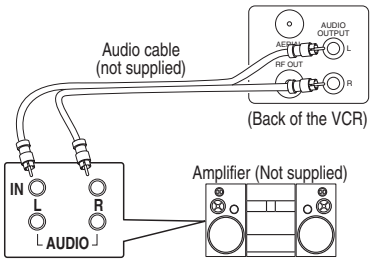
If your TV has Scart sockets, you may connect your VCR's AV1 (TV) scart socket to the Scart socket on the back of your TV. Please see the instruction manual for your TV.

NOTE: You may connect the VCR to your audio amplifier.

1 Prepare an audio cable (not supplied).

2 Switch off your audio amplifier.

3 Insert one end of the audio cable into the corresponding red and white AUDIO OUTPUT L/R jacks at the back of the VCR and the other end into the corresponding audio input jacks at the audio amplifier.



AV2 (DECODER) CONNECTION FOR OTHER EXTERNAL DEVICES

The second Scart socket AV2 (DECODER) is designated for other external devices, e.g. decoder, another VCR, video camera and so on.

NOTE:
- If you want to connect a TV with Scart socket to your VCR, the TV must be connected to the VCR through AV1 (TV). A connection to AV2 (DECODER) will not function correctly.

EXTERNAL INPUT MODE

To receive the signal from an external input (decoder, video camera, another VCR etc.), connect to the AV2 (DECODER) socket, and press the PROGRAM (▲/▼) buttons or enter "002" with the NUMBER buttons to display "AV2" on the TV screen.
If you use the AV1 (TV) socket, press the PROGRAM (▲/▼) buttons or enter "001" with the NUMBER buttons to display "AV1" on the TV screen.

Hi-Fi Stereo Sound System

This VCR will record and playback Hi-Fi stereo sound. In addition it has a NICAM stereo sound decoder.
This equipment will receive stereo and bilingual broadcasts and there are several ways of recording and playing back the sound.

SELECTING THE SOUND MODE

You can select each mode by pressing the AUDIO SELECT button on the remote control. Each mode is indicated on the TV screen as following.

- During playback of the recorded tape in Hi-Fi mode:

Mode	AUDIO OUTPUT		Display on the TV screen
Stereo	L	Hi Fi L Audio	STEREO
	R	Hi Fi R Audio	
L	L	Hi Fi L Audio	LEFT
	R	Hi Fi L Audio	
R	L	Hi Fi R Audio	RIGHT
	R	Hi Fi R Audio	
Normal	L	Normal Audio	- None -
	R	Normal Audio	

- Reception of stereo broadcasts:

Mode	AUDIO OUTPUT		Display on the TV screen
Stereo	L	L Audio	STEREO
	R	R Audio	
L	L	L Audio	LEFT
	R	L Audio	
R	L	R Audio	RIGHT
	R	R Audio	
Monaural	L	L+R Audio	- None -
	R	L+R Audio	

- During reception of bilingual broadcasts:

Mode	AUDIO OUTPUT		Display on the TV screen
MAIN	L	Main Audio	MAIN
	R	Main Audio	
SUB	L	Sub Audio	SUB
	R	Sub Audio	
MAIN SUB	L	Main Audio	MAIN SUB
	R	Sub Audio	

NOTES:

- If you play non-Hi-Fi tapes, the VCR will play automatically in monaural even if you select any mode.
- If the stereo signal becomes weak, the broadcast is automatically recorded in monaural.

Video Channel Setting

• Use the remote control for this procedure.

1 Insert a pre-recorded tape into the VCR which has a film or programme which you will recognise when it plays. The VCR will turn on. Press the PLAY button to ensure the tape is playing.

2 Turn your television to the preferred video channel (this would normally be channel "0" for most makes of TV incl. Hitachi - If in doubt consult your television instruction book for details). Follow your television tuning instructions (as detailed in your TV instruction book) until you can see the film or program playing on the VCR.

- When you can see the playback clearly, follow your television instructions to store the setting as the VCR playback channel and go to step 9.
- If you do not get a clear picture on playback and have interference lines on the screen this can be caused by the VCR broadcast frequency being too close to a television station frequency in your area. STEP 3 will explain how to change the RF output frequency.

3 Press the MENU button.

4 Press the PLAY/▲ or STOP/▼ button repeatedly to select "INITIAL" from the on screen menu. Then press the F.FWD/► button.

5 Press the PLAY/▲ or STOP/▼ button repeatedly to select "RF OUT" from the on screen menu. Then, press the F.FWD/► button.

- The RF OUT CH menu will appear on your TV screen.

6 Press the PLAY/▲ or STOP/▼ button to select a frequency which is not used for television broadcasts in your area. You can select between RF CH 22 ~ RF CH 69, e.g. 51 or 53. (Your local dealer should be able to advise you which channels to use if you are not sure)

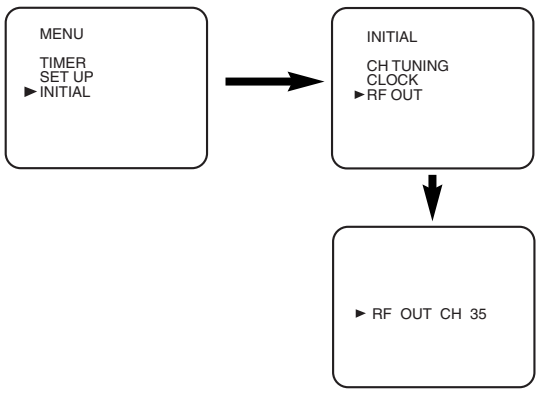
7 Press the F.FWD/► button to store then the MENU button to exit.

8 Follow the instructions in step 2 above to tune your TV to the new VCR frequency.

9 Press the STOP button to stop the tape.

NOTES:

- You may also access the RF OUT CH menu by pressing and holding the MENU button on the remote control for 3 seconds whilst the VCR is in STANDBY. (STANDBY = VCR plugged in but switched off on the machine)
- If your VCR and TV are connected using a SCART cable the RF converter may be switched off to avoid any possibility of interference. To switch off the RF converter;
  Follow step 3 to step 6 above and adjust the "RF OUT CH" until it is 22 in step 6.
  Press the STOP/▼ button so that "- -" appears, instead of a number, next to "RF CH OUT".
  Press the F.FWD/► button, then the MENU button to finish.



Setting the Clock

This VCR incorporates a 24-hour clock. The clock must be set for the Timer Recording function to operate correctly.

• Use the remote control for this procedure.

1 Press the MENU button.

2 Press the PLAY/▲ or STOP/▼ button to select "INITIAL", then press the F.FWD/► button.

3 Press the PLAY/▲ or STOP/▼ button to select "CLOCK", then press the F.FWD/► button.

4 Press the PLAY/▲ or STOP/▼ button to select "MANUAL" or "AUTO", then press the F.FWD/► button.

- If you select "MANUAL", continue with step 5.
- If you select "AUTO", Auto Clock Setting becomes "ON". The clock time will appear automatically when you next turn the VCR off and on.

5 Press the PLAY/▲ or STOP/▼ button until the relevant year appears, then press the F.FWD/► button.

6 Press the PLAY/▲ or STOP/▼ button until the relevant month appears, then press the F.FWD/► button.

7 Press the PLAY/▲ or STOP/▼ button until the relevant day appears, then press the F.FWD/► button.

8 Press the PLAY/▲ or STOP/▼ button until the relevant hour appears, then press the F.FWD/► button.

9 Press the PLAY/▲ or STOP/▼ button until the relevant minute appears.

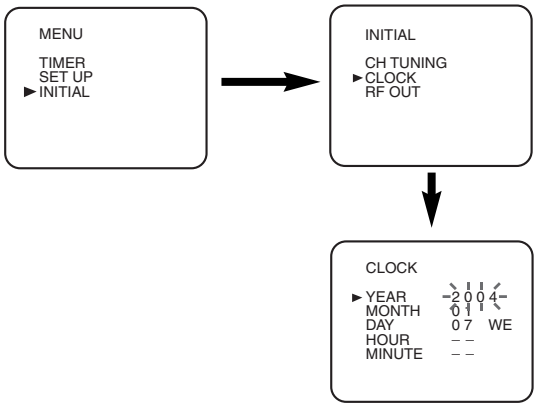
10 Press the MENU button to start the clock.

NOTES:

- Press the REW/◄ button to go one step back from the current step during steps 5 to 9.
- Although seconds are not displayed, they begin counting from 00 when you exit by pressing the MENU button. Use this feature to synchronise the clock with the correct time.
- When unplugging the power-cord or if there is a power failure for more than one minute, you may have to reset the clock.

AUTO CLOCK

- Channel Presetting must be set before the Auto Clock is set.
- The VCR refers to the channel which was memorised into position 01.
  The PDC channel must therefore be set to position 01.
- The clock cannot be set automatically if you are not receiving a channel that carries a time signal in your area. In this case, set the clock manually.
- Once the auto clock setting is performed, the VCR will correct the current time by receiving PDC broadcasts whenever you turn off the VCR.
- The VCR will correct the current time automatically at 8:00, if the VCR's power is turned off.
- Between 23:00~1:00, the AUTO CLOCK function does not work even if the VCR's power is turned off.



Tuning of broadcast channels not already preset in the VCR can be performed in two ways.

AUTOMATIC TUNING

- By "AUTOMATICALLY" tuning channels and placing them in sequential order in the VCR's memory i.e. the first channel found will be memorised into the VCR's channel position 1, the second channel found will be memorised into the VCR's channel position 2 and so on.
- Execution of the "Automatic" tuning cancels all the preset channels. DO NOT use this feature if you intend to use some of the pre-tuned channels. Use the "Manual" tuning function to tune in the additional channels you require.

MANUAL TUNING

- Each channel is tuned manually and individually. Follow the steps laid out in the "MANUAL TUNING" section.

Before you tune...

- It is necessary to set the video channel if your VCR is connected to the TV via the coaxial cable, and TV channel 35 is employed for broadcasting, or interference lines appear on the picture. Please refer to "Video Channel Setting".

Automatic Tuning

You can programme the tuner to scan all the channels you can receive in your area. If you are using a Satellite receiver turn it on and select SKY NEWS or a programme only available on Satellite before starting.

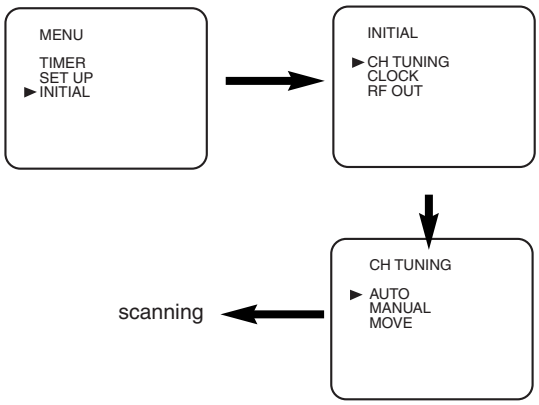
- Use the remote control for this procedure.

1 Turn on the TV and select the TV channel to the video channel on the TV.
2 Press the MENU button.
3 Press the PLAY/▲ or STOP/▼ button to select "INITIAL", then press the F.FWD/▶ button.
4 Press the PLAY/▲ or STOP/▼ button to select "CH TUNING", then press the F.FWD/▶ button.
5 Press the PLAY/▲ or STOP/▼ button to select "AUTO", then press the F.FWD/▶ button.

- The tuner scans and memorises all the active channels in your area. After scanning, the tuner stops on the lowest memorised channel.
- Sorting of TV channels from P01 to P06 will be performed automatically as follows.

P01: BBC1 P02: BBC2 P03: ITV
P04: CH4 P05: CH5 *(P06: SKY NEWS)

* If you are using a satellite receiver, turn it on and select Sky News before commencing tuning.



To Select a Desired Channel

You can select a desired channel by using the PROGRAM (▲/▼) buttons, or directly pressing the NUMBER buttons on the remote control.

- Enter a channel numbers as a two-digit number for the quickest results. For example, to select channel 6, press **0** and **6**. If you only press **6**, channel 6 will be selected after a brief delay.
- You can only select channels 1–99.

Manual Tuning

- Use the remote control for this procedure.

1 Press the MENU button.
2 Press the PLAY/▲ or STOP/▼ button to select "INITIAL", then press the F.FWD/▶ button.
3 Press the PLAY/▲ or STOP/▼ button to select "CH TUNING", then press the F.FWD/▶ button.
4 Press the PLAY/▲ or STOP/▼ button to select "MANUAL", then press the F.FWD/▶ button.
5 Press the PLAY/▲ or STOP/▼ button to select "POSITION", then press the F.FWD/▶ button.

- When a weak signal is received in Manual Tuning mode, you can change the background to solid blue or the static screen by pressing the COUNTER RESET button.

6 Press the NUMBER, PLAY/▲ or STOP/▼ button to select your desired position number, then press the F.FWD/▶ button.

- You can select position number 01-99.
- If [ON] appears on the right side of "SKIP", press the PLAY/▲ or STOP/▼ button to point to "SKIP". Then, press the F.FWD/▶ button to select [OFF].
- If you want to remove scrambled signals, press the PLAY/▲ or STOP/▼ button repeatedly to point to "DECODER". Then, press the F.FWD/▶ button to select [ON].

7 Press the PLAY/▲ or STOP/▼ button to select "CHANNEL", then press the F.FWD/▶ button.
Press the PLAY/▲ or STOP/▼ button. The VCR tuner will begin to search up or down automatically. When a channel is found, the VCR will stop searching and the picture will appear on the TV Screen.

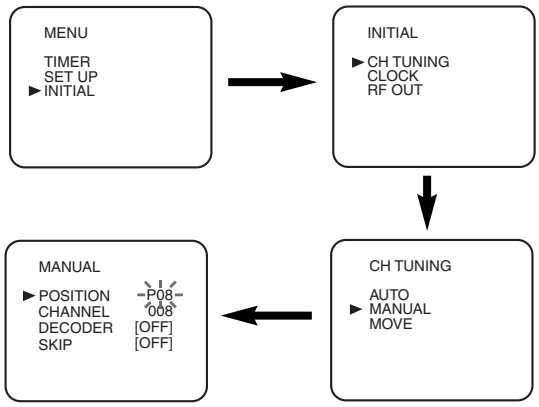
- You can select desired channel number by using the NUMBER buttons. You must refer to the following Channel Plan table and press three digits to select the channel number. (To select channel 24, first press "0" button and then press "2" and "4").
- If this is the channel you want, press the F.FWD/▶ button.

Channel Plan	
CH Indication	**TV Channel**
01 – 10	IRA-IRJ, gap
21 – 69	E21 – E69
74 – 78	X, Y, Z, Z+1, Z+2
80 – 99, 100	S1 – S20, gap
121 – 141	S21 – S41

8 Press the MENU button to exit.

NOTE:

- To confirm that a channel has been added, press the PROGRAM (▲/▼) buttons.



To Skip a Preset Channel

The channels you can no longer receive or seldom watch can be set to be skipped when you access channels with the PROGRAM (▲/▼) buttons.

• Use the remote control for this procedure.

1 Press the MENU button.

2 Press the PLAY/▲ or STOP/▼ button to select “INITIAL”, then press the F.FWD/► button.

3 Press the PLAY/▲ or STOP/▼ button to select “CH TUNING”, then press the F.FWD/► button.

4 Press the PLAY/▲ or STOP/▼ button to select “MANUAL”, then press the F.FWD/► button.

5 Press the PLAY/▲ or STOP/▼ button to select “POSITION”, then press the F.FWD/► button.

6 Press number buttons, the PLAY/▲ or STOP/▼ button to select relevant position number, then press the F.FWD/► button.

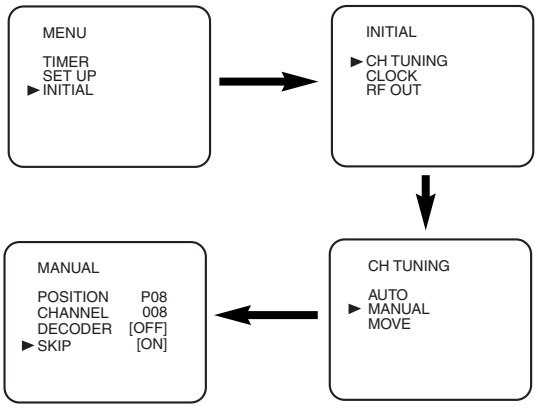
7 Press the PLAY/▲ or STOP/▼ button to select “SKIP”, then press the F.FWD/► button to select [ON].

• To memorise the channel again, press the F.FWD/► button. “ON” will change to “OFF”.

8 Press the MENU button to exit.

NOTE:

• To confirm that a channel has been deleted, press the PROGRAM (▲/▼) buttons.



Channel Order

The TV stations will normally be stored in the following order: BBC1, BBC2, ITV, CH4 and CH5.
You can rearrange the order as follows.

• Use the remote control for this procedure.

1 Press the MENU button.

2 Press the PLAY/▲ or STOP/▼ button to select “INITIAL”, then press the F.FWD/► button.

3 Press the PLAY/▲ or STOP/▼ button to select “CH TUNING”, then press the F.FWD/► button.

4 Press the PLAY/▲ or STOP/▼ button repeatedly to select “MOVE”, then press the F.FWD/► button.

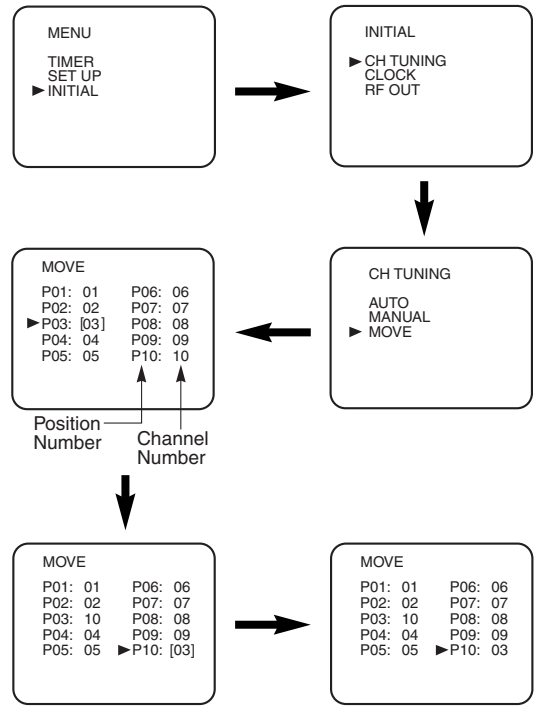
5 Press the PLAY/▲ or STOP/▼ button repeatedly to select the position number you want to change the channel, then press the F.FWD/► button.

• You cannot select a position number where “- - - ” appears next to the number. This is because SKIP is set to [ON] for this position number.

• When a weak signal is received in Channel Order mode, you can change the background to static blue by pressing the COUNTER RESET button.
If you press the button again, the background will return to the static screen.

6 Press the PLAY/▲ or STOP/▼ button repeatedly until the channel move to another position number, then press the F.FWD/► button.

7 Press the MENU button.



Playback

Tracking Adjustment

- Tracking adjustment will be activated automatically (Digital Tracking function) when you start playback.
- When playing pre-recorded tapes or tapes recorded on units other than your own, noise lines (black and white streaks) may appear on the playback picture. If this occurs, you can adjust the tracking control manually by pressing the PROGRAM (▲/▼) buttons on the remote control or front panel until the streaks disappear. To return to the DTR function, stop the tape once and start playback again.

NOTES:

- You can reduce the noise lines by pressing the PROGRAM (▲/▼) buttons in Slow mode, too. Slow tracking adjustment is not set automatically.
- In the Still mode, press the SLOW button, and press the PROGRAM (▲/▼) buttons until the streaks disappear. To return to the Still mode, press the PAUSE/STILL button again.

1 Turn on the TV and select the video channel on the TV.
2 Insert a prerecorded tape.
The VCR will turn on automatically. If the erase-protection tab has been removed, the VCR will start playback automatically.
3 Press the PLAY button to begin playback.
- Tracking adjustment will be activated automatically (Digital Tracking function) when you start playback. To adjust the tracking manually, press the PROGRAM (▲/▼) buttons.

<If a tape is already in the VCR...>
- Using the buttons on the VCR
Just press the PLAY button on the VCR. Power will automatically turn on and playback will start. (Direct Button Operation)
- Using the buttons on the remote control
Press the OPERATE button to turn on, and then press the PLAY button.

4 Press the STOP button to stop playback.

Speed Search

1 During playback, press the F.FWD ▶▶ or REW ◀◀ button to view a videotape at a high speed in either a forward or reverse direction. In this mode, the sound will be muted.
2 Press the button again, the VCR will now search in super high speed. (This function will not operate for a NTSC tape.)
3 Press the PLAY button to return to normal playback.

Still Picture

Press the PAUSE/STILL button during playback to view a still picture on the TV screen.

- If you press the PAUSE/STILL button to freeze the picture, usually there will be noiselines on the TV screen. This is normal, however, each time you press the PAUSE/STILL button the lines will change position.
- When the picture begins to vibrate vertically, stabilize the picture by pressing the PROGRAM (▲/▼) buttons in the Still mode.
- After the VCR has been in Still mode for 5 minutes, it will stop automatically to protect the tape and the video head.

<Note for "Speed Search" and "Still Picture">

- Usually there will be video "noise" lines (black and white streaks or dots) on the screen. This is normal.
The still picture will, in addition to containing the "noise" lines, be black and white.
This is not a fault of the machine but merely a by-product of the technology involved in producing a VCR with LP mode.

Slow Motion

- Press the SLOW button to reduce the playback speed. The VCR mutes the sound during slow motion. You can control the speed by pressing the F.FWD (faster) or REW (slower) button. Press the PLAY button to return to normal playback.
- If it is left in the Slow mode for more than five minutes, the VCR will automatically switch to the Stop mode.

Recording

Viewing and Recording the same Programme

1 Insert a cassette tape with its erase-prevention tab in place. (If necessary, rewind or fast forward the tape to the point at which you want to begin recording.)
2 Press the NUMBER or PROGRAM (▲/▼) buttons to select the channel to be recorded.
3 Press the SPEED button to select the tape speed (SP/LP).
4 Press the REC/OTR button to begin recording.
- The REC indicator on the display comes on.

5 Press the STOP button when recording is completed.

Skipping unwanted Programme material during Recording

1 Press the PAUSE/STILL button when you want to temporarily halt recording.
- You can check the remaining pause time with ▮ marks on the TV screen. Each ▮ mark represents one minute. After five minutes, the VCR will automatically switch to the Stop mode to prevent tape damage.

2 Press the PAUSE/STILL or REC/OTR button to resume recording.

Recording one Programme while viewing another

You can record one programme while viewing another. To start recording, follow steps 1 to 4 under "Viewing and Recording the same Programme". Then, set the TV to the channel you want to watch.

To Monitor the progress of your Recording

Select the video channel on the TV.

Assemble Function

- You can record in continuation from previous programme on a pre-recorded tape.

1 Insert a pre-recorded tape. Press the PLAY button to start playback.
2 Press the PAUSE/STILL button at the desired point on the tape.
3 Press the REC/OTR button. The VCR will be the Recording Pause mode.
4 Press the PROGRAM (▲/▼) buttons to select the channel to be recorded .
5 Press the REC/OTR or PAUSE/STILL button. The recording will begin.
6 Press the STOP button when recording is completed.

Counter Memory

This feature can be used to memorise a beginning point that you want to watch again. Rewinding or fast forwarding makes it easy to locate this point.

NOTES:

- If a tape includes programmes recorded in PAL and NTSC, the Counter Memory function may not operate correctly.
- The COUNTER MEMORY button does not function if the Auto Repeat mode is set to ON. In this case, set the Auto Repeat mode to OFF.

1 Stop the tape at the desired point.
2 Press the COUNTER RESET button to display 0:00:00.
3 Press the COUNTER MEMORY button so that "M" appears on the TV screen.
4 Press the REC/OTR or PLAY button.
- Press the STOP button when recording or playback is completed.

5 Press the F.FWD ▶▶ or REW ◀◀ button.The VCR will automatically stop when the counter returns to 0:00:00 (approx.)

TO EXIT THE THE COUNTER MEMORY

Press the COUNTER MEMORY button so that "M" disappears from the TV screen.

NOTE: When you set the Auto Repeat mode to ON while the Counter Memory mode is ON, the VCR exits the Counter Memory mode automatically.

OTR (One Touch Recording)

This function enables you to set the duration of a recording simply by pressing the REC/OTR button.

1 Follow steps 1 to 3 in "Viewing and Recording the same Programme" section.
2 Press the REC/OTR button repeatedly until the desired recording length appears in the upper left corner of the TV screen.

● 0:30 → ● 1:00... → ● 7:30 → ● 8:00
(OTR: 30 minutes)
↑ ● Normal recording ←

- Recording stops when 0:00 is reached.

• To check time remaining during an OTR.
Press the DISPLAY button.

• To change the recording length during an OTR
Press the REC/OTR button until the desired length appears.

• To stop an OTR before recording is finished
Press the STOP button.

• To cancel the OTR but continue recording
Press the REC/OTR button repeatedly until "●" appears without the recording length.

Auto Repeat Playback

The VCR has an auto repeat function that allows you to repeat a tape indefinitely without touching the PLAY button.

- Use the remote control for this procedure.
- Insert a pre-recorded tape.

1 Press the MENU button.
2 Press the PLAY/▲ or STOP/▼ button to select "SET UP", then press the F.FWD/▶ button.
3 Press the PLAY/▲ or STOP/▼ button to select "AUTO REPEAT".
4 Press the F.FWD/▶ button so that "ON" appears next to "AUTO REPEAT" on the TV screen.
When in Stop mode, Auto Repeat mode will start automatically.
If the on-screen menu still remains, press the MENU button to exit, then press the PLAY button.

NOTES:

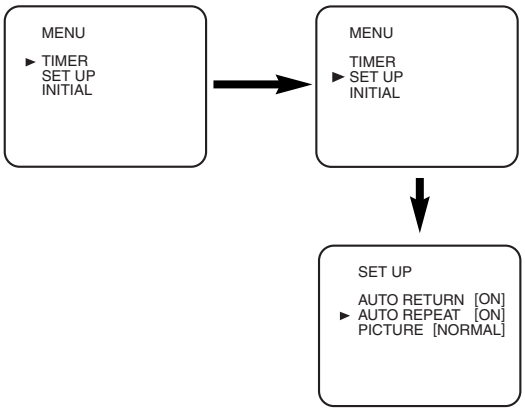
- Once you select the Auto Repeat mode, it stays in effect even after you turn off VCR.
- COUNTER MEMORY does not function if the Auto Repeat mode is set to ON.
- When you set the Auto Repeat mode to ON while the Counter Memory mode is ON, the VCR exit the Counter Memory mode automatically.

TO STOP PLAYBACK

Press the STOP button.

TO EXIT THE AUTO REPEAT MODE

Repeat steps 1 to 3.Then, press the F.FWD/▶ button. "OFF" will then appear next to "AUTO REPEAT" on the TV screen. Press the MENU button to exit.



Picture Select

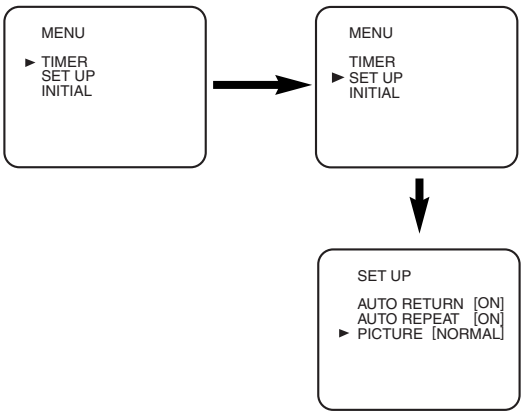
This function enables you to select the picture quality of a tape.

- Use the remote control for this procedure.

1 Press the MENU button.
2 Press the PLAY/▲ or STOP/▼ button to select "SET UP", then press the F.FWD/▶ button.
3 Press the PLAY/▲ or STOP/▼ button to select "PICTURE".
4 Press the F.FWD/▶ button until the desired mode (NORMAL, SOFT, or SHARP) is indicated on the TV screen.
5 Press the MENU button to exit.

NOTE:

- Once you select the Picture Select mode, it stays in effect even after you turn off the VCR.



Automatic Operations

Automatic Rewind, Eject, Off

When the end of a tape is reached during recording, playback, or fast-forward, the tape will automatically rewind to the beginning. After that, the VCR will eject the tape and turn itself to off.

- The tape will not auto-rewind during timer recording or One Touch Recording.
- When the Counter Memory is activated, the tape will rewind to the M0:00:00 position and the VCR will enter the Stop mode.

Tape Eject

A tape can be ejected with the VCR power on or off (but the VCR must be plugged in).

- If a timer recording is set, a tape can only be ejected with the power on.

Real Time Tape Counter

- This shows the elapsed recording or playback time in hours, minutes, and seconds. (Nothing is shown in the case of blank portion)
- The " – " indication will appear when the tape is rewound further than the tape counter position "0:00:00".

Timer Recording

You may program the VCR to start and end a recording while you are away. You can set eight programmes to record on specific days, daily or weekly within a 1 year period.

- Use the remote control for this procedure.
- Insert a cassette tape with its erase-prevention tab in place. (If necessary, rewind or fast forward the tape to the point at which you want to begin recording.)

1 Press the MENU button.

2 Press the PLAY/▲ or STOP/▼ button to select "TIMER", then press the F.FWD/▶ button.

NOTES: If you have not set the clock yet, "CLOCK" setting menu appears. If so, follow the steps outlined in the "Setting the Clock" section. Then, set the timer.

- When you press the F.FWD/▶ button after pressing the PLAY/▲ or STOP/▼ button during steps **3** to **9**, the input mode will move to the next step.
- If you do not press the F.FWD/▶ button within 5 seconds of setting an item, the input mode will move to the next step.
- Press the REW/◀ button to go back one step from the current setting during steps **4** to **10**. If the REW/◀ button is pressed when the TIMER NUMBER is flashing, the entire programme contents will be erased.

3 Programme number flashes. Press the PLAY/▲ or STOP/▼ button repeatedly until the desired programme number appears. Then, press the F.FWD/▶ button.

4

- ***For once-only recording :*** Press the PLAY/▲ or STOP/▼ button repeatedly until the relevant month appears.
- ***For daily recording :*** *To record a TV programme at the same time on the same channel from Monday through Friday.* While the month digit is flashing, press the PLAY/▲ or STOP/▼ button repeatedly to select "MO-FR".
- ***For everyday recording :*** *To record a TV programme at the same time on the same channel every day.* While the month digit is flashing, press the PLAY/▲ or STOP/▼ button repeatedly to select "MO-SU".
- ***For weekly recording :*** *To record a TV programme at the same time on the same channel every week.* While the month digit is flashing, press the PLAY/▲ or STOP/▼ button repeatedly to select "W-MO" (Example: every monday).

5 **For once-only recording only :** Press the PLAY/▲ or STOP/▼ button repeatedly until your desired day appears.

6 Press the PLAY/▲ or STOP/▼ button repeatedly until the relevant start hour appears. Next, enter the minute digit.

7 Press the PLAY/▲ or STOP/▼ button repeatedly until the relevant end hour appears. Next, enter the minute digit.

8 Press the PLAY/▲ or STOP/▼ button repeatedly until the relevant channel number appears.

9 Press the PLAY/▲ or STOP/▼ button repeatedly until your the desired tape speed appears.

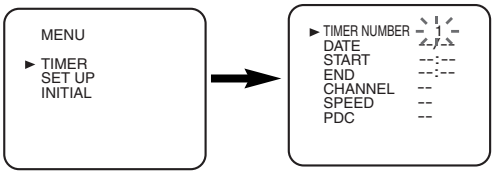
10 Press the PLAY/▲ or STOP/▼ button repeatedly to set PDC "ON" or "OFF".

11 Press the F.FWD/▶ button. Programme 1 is now completed.

- To set another timer programme, repeat steps **3** to **11**.

12 Press the MENU button to exit.

13 Press the OPERATE button to activate the timer. The ⊠ indicator on the display comes on.



TO STOP A TIMER PROGRAMME WHICH HAS ALREADY STARTED

Press the ■ ▲ (STOP/EJECT) button on the VCR.

NOTE: The STOP/▼ button on the remote control will not function in the Timer Recording mode.

TO CORRECT TIMER PROGRAMMES

If you want to correct an automatic timer after you finished setting programme,

1 Repeat steps **1** to **3** in the "Timer Recording" section.

2 Select the setting you want to change using the F.FWD/▶ button or the REW/◀ button.

3 Enter the correct numbers using the PLAY/▲ or STOP/▼ button, then press the F.FWD/▶ button.

4 Press the MENU button to exit.

5 Press the OPERATE button to return to timer stand-by mode.

TO CANCEL OR CHECK THE START/END TIME

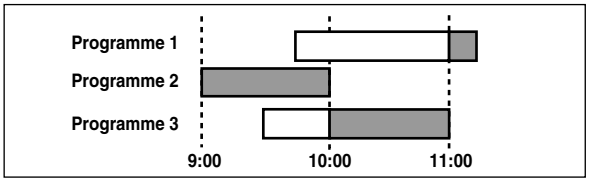
1 Repeat steps **1** to **2** in the "Timer Recording".

2 Select a programme number you want to check using the PLAY/▲ or STOP/▼ button. The details of selected programme appears on the TV screen. You may cancel the entire programme by pressing the REW/◀ button.

3 Press the MENU button to exit.

AVOID OVERLAP OF TIMER PROGRAMMES ...

A timer programme will not work while another programme is under execution.



Hint for Timer Recording

- If there is a power failure or the VCR is unplugged for more than 1 minute, the clock setting and all timer settings will be lost.
- If the tape runs out before the end time, the VCR will switch to the Stop mode immediately, eject the tape and the VCR power will be turned off. The ⊠ indicator will flash.
- If a tape is not in the VCR, timer recording cannot be performed and the ⊠ indicator flashes. If an erase-prevention tab of the tape is missing, the tape will be ejected and the ⊠ indicator will flash. Please insert a recordable tape.
- When all the Timer Recordings are completed, the ⊠ indicator also flashes. To play or eject the recorded tape, press the OPERATE button first, and then press the PLAY or EJECT button.
- The TV that is connected to your VCR may be turned on or off when the VCR is in the Timer-recording mode.
- The VCR will only perform a timer recording after it has been placed into standby mode.

Timer Recording Using the VIDEO Plus+® System

You can programme the timer using the PlusCode numbers that are printed in TV guide magazine. You can set eight programmes to record.

- Use the remote control for the this procedure.
- Insert a cassette tape with its erase prevention tab in place. (If necessary, rewind or fast forward the tape to the point at which you want to begin recording.)

1 Press the VIDEO Plus+ button.

NOTE: If you have not set the clock yet, the "CLOCK" setting menu will appear. If this happens, follow the instructions in the "Setting the Clock" section. After the clock has been set you may continue with step **2**.

2 Enter the PlusCode number for the programme you want to record by using the number buttons (0~9) on your remote control.

- If you make a mistake whilst entering the PlusCode number you can erase each digit in turn by pressing the REW/◀ button.

3 For a once off recording press the VIDEO Plus+ button.

- If you want to repeat this recording on a daily or weekly basis then select one of the following options before pressing the VIDEO Plus+ button.
- ***FOR DAILY RECORDING:*** To record a TV programme at the same time on the same channel, from Monday to Friday.
- Press the DAILY/WEEKLY button repeatedly to select "DAILY (MO-FR)", then press the VIDEO Plus+ button.
- ***FOR EVERYDAY RECORDING:*** *To record a TV programme at the same time on the same channel every day.*
- Press the DAILY/WEEKLY button repeatedly to select "DAILY (MO-SU)", then press the VIDEO Plus+ button.
- ***FOR WEEKLY RECORDING:*** *To record a TV programme at the same time on the same channel every week.*
- Press the DAILY/WEEKLY button repeatedly to select "WEEKLY", then press the VIDEO Plus+ button.

NOTES:

- If the PlusCode number is not available, it will be cleared automatically when you press the VIDEO Plus+ button. Enter the correct PlusCode number and press the VIDEO Plus+ button again.
- If the PlusCode number flashes when you press the VIDEO Plus+ button, this means that the PlusCode number you entered was incorrect or the timer recording you just programmed and another timer recording overlap.

4 Confirm the channel number, then, press the F.FWD/▶ button.

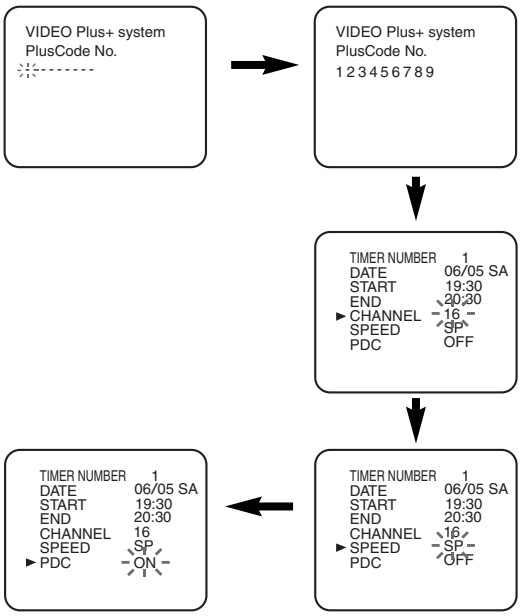
- If your local channel information is programmed in VCR's memory, your local channel number appears automatically.
- If your local channel information is not programmed in VCR's memory, "– –" or an incorrect channel number may appear. In this case, press the PLAY/▲ or STOP/▼ button repeatedly until your desired channel number appears. Then, press the F.FWD/▶ button.
- When you select the channel number using the PLAY/▲ or STOP/▼ button, it memorises in VCR's memory.

5 Press the PLAY/▲ or STOP/▼ button repeatedly until the desired tape speed appears.

6 Press the PLAY/▲ or STOP/▼ button to set PDC "ON" or "OFF".

7 Press the MENU button to exit.

8 Press the OPERATE button to activate the timer. The ⊠ indicator on the display comes on.



PDC (Programme Delivery Control)

The PDC system looks for the start signal several hours before published start time and for several hours afterwards. This means that if the programme is broadcast anytime during this period it will be recorded correctly.
Please note that if you have set an incorrect TIMER setting, it will stay in the memory until you cancel it (see page 13 for details on how to cancel a programme).

Auto Return

When timer recording is finished, the VCR will automatically rewind the tape to the beginning where it started recording. If there are any remaining programmes including Daily, Everyday, & Weekly, AUTO RETURN will not operate.

1 Press the MENU button.

2 Press the PLAY/▲ or STOP/▼ button repeatedly to point to "SET UP", then press the F.FWD/▶ button.

3 Press the PLAY/▲ or STOP/▼ button to point to "AUTO RETURN", then press the F.FWD/▶ button. [ON] will appear next to "AUTO RETURN".

4 Press the MENU button.

WATCH THE RECORDED TIMER PROGRAMME

Press the OPERATE button to turn on the VCR, then press the PLAY button.

Parents Lock

Parents Lock prevents use of the VCR by making the VCR feature buttons on the VCR and the remote control inoperative.

• The “PWR.” indicator on the display comes on.

1 Press and hold down the OPERATE button on the remote control for 5 seconds until “PL” appears on the display. The Parents Lock is activated.
When you want to cancel it, press and hold the OPERATE button on the remote control again for 5 seconds.

When Parents Lock is activated:

- The time will appear on the display. PL will appear on the display for two seconds every minute.
- You may insert a tape. However, the VCR power will remain off.
- You may press the EJECT button to remove the tape (unless a timer recording is programmed or has finished.)
- Timer recording will take place as scheduled, even if Parents Lock is activated. “P.L.” will appear steadily on the TV screen during the timer recording.

Search Functions

QUICK-FIND

This function enables you to search and confirm the contents of the recorded programme(s) using the index mark.

- Use the remote control for this procedure.
- The tape must be fully rewound.

1 Press the QUICK-FIND button.

TO SKIP TO THE BEGINNING OF NEXT PROGRAMME

Press the QUICK-FIND button.

TO VIEW AT NORMAL SPEED

Press the PLAY button. The Quick-Find is cancelled.

NOTES:

- This function will not operate in the Recording mode.
- When you want to cancel the Quick-Find while in progress, press the STOP button.
- When the end of a tape is reached during the Quick-Find, the tape will automatically rewind to the beginning. After rewinding finishes, the VCR will eject the tape and turn itself off.

INDEX SERACH

- The index mark will be made automatically when the REC/OTR button is pressed. It will also be marked at the starting point of Timer recording and OTR.
- The index mark is not recorded if the PAUSE/STILL button is pressed and released during recording.
- The time gap between index marks on the tape should be greater than 1 minute for SP recording and 2 minutes for LP recording.
- Use the remote control for this procedure.

1 Press the SEARCH MODE button.

2 Press the PLAY/▲ or STOP/▼ button repeatedly until the number of programmes that you want to skip appears.

3 Press the REW/◄ or F.FWD/► button.
The VCR begins rewinding or fast forwarding to the beginning of desired programme.

When the preset programme is reached, the VCR will start playback automatically.

NOTES:

- Index Search can be set up to 20.
- This function will not operate in the Recording mode.
- Operations must be followed up within 30 seconds, from steps **2** to **3**. Otherwise the Index Search mode will be cancelled.
- To exit the Index Search mode, press the MENU button in step **2**. Or press the STOP/▼ button after step **3**.

TIME SEARCH

If a tape includes both programmes recorded in the PAL system and ones recorded in the NTSC system, this function may not be operated correctly.

- Use the remote control for this procedure.

1 Press the SEARCH MODE button twice.

2 Press the PLAY/▲ or STOP/▼ button repeatedly until the desired time appears.

3 Press the REW/◄ or F.FWD/► button.
The VCR begins rewinding or fast forwarding to the specified point.

When 0:00 is reached, the VCR will start playback automatically.

NOTES:

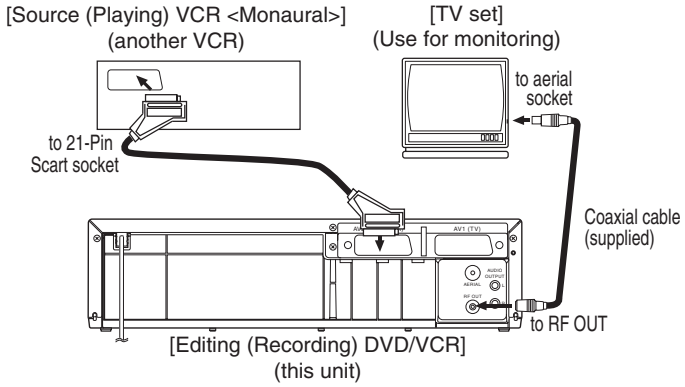
- Time Search can be set up to 9 hours 59 minutes (9:59).
- This function will not operate in the Recording mode.
- Operations must be followed up within 30 seconds, from steps **2** to **3**. Otherwise the Time Search mode will be cancelled.
- To exit the Time Search mode, press the MENU button in step **2**. Or press the STOP button after step **3**.

Copying a Video Tape

You can make copies of videotapes made by friends or relatives for your own enjoyment.

WARNING: Unauthorized recordings of copyrighted video tapes may be an infringement of copyright laws.

Connect the recording VCR (this unit), playing VCR (another VCR) and your TV as outline in the following diagram.



1. Insert a pre-recorded video cassette into the playing VCR.
2. Insert a blank video cassette, or one you want to record over, into the cassette compartment of the recording VCR.
3. Press the SPEED button on the remote control to select the desired recording speed (SP/LP).
4. Select “AV2” position on the recording VCR. See “Other Connections”.
5. Press the REC/OTR button on the recording VCR.
6. Begin playback of the tape in the playback VCR.
7. To stop recording, press the ■ ▲ (STOP/EJECT) button on the recording VCR, then stop playback of the tape in the playing VCR.

NOTES:

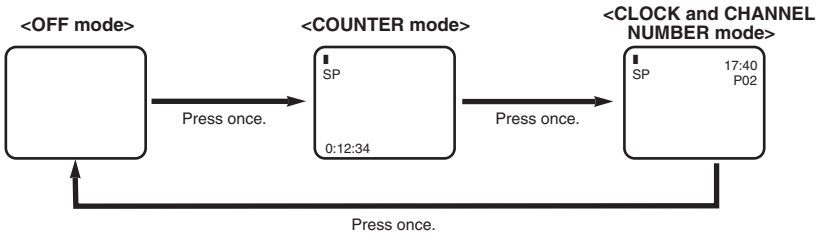
- For best results during dubbing, use the VCR’s front panel controls whenever possible. The remote control might affect the playback VCR’s operation.
- If video or colour fades in and out, you may be copying a copy guarded video tape.

To Monitor the Recording

Turn on the TV and select the video channel on the TV.

A Status Display

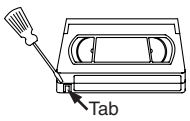
- **To check the Counter, or Clock & Channel number,** press the DISPLAY button. Each time you press the DISPLAY button, TV screen will change as illustrated:
  When you select the channel using the remote control NUMBER buttons, select the desired channel (position number).



Video Cassette Tape

This VCR will operate with any cassette that bears the VHS mark. For best results, we recommend the use of high-quality tapes. Do not use poor quality or damaged tapes.

- You can prevent accidental erasing of a recording by breaking off the erase-prevention tab on the back edge of the cassette.
- If you decide to record on the tape again, cover the hole with plastic tape.



Two Different Tape Speeds

Before recording, select the tape speed : SP mode (Standard Play) or LP mode (Long Play).

The table below shows the maximum recording/playback time using E-60, E-120, E-180 or E-240 tapes in each mode.

Type of tape		Recording/Playback Time	
	Tape Speed	SP Mode	LP Mode
	E-60	1 hour	2 hours
	E-120	2 hours	4 hours
	E-180	3 hours	6 hours
	E-240	4 hours	8 hours

TV Colour System

Different countries use different television colour systems. Tapes recorded in the PAL or NTSC system can be played back on this unit. Usually, the picture on the TV screen will be in black and white when you play back a tape that is recorded in a different colour system.

- Tapes recorded in the NTSC system can be played back on this unit and a PAL system TV set. This feature is only available in the SP mode. When playing back such tapes, the picture may roll up or down, shrink vertically and black bars may appear both at the top and bottom of the screen. Adjust the vertical hold control on your TV, if the TV features this control.

TROUBLESHOOTING GUIDE

If you have followed the instructions contained in this manual and have difficulty in operating your VCR, locate the SYMPTOM in the left column below. Check the corresponding cell CORRECTIVE ACTION columns to remedy the problem.

SYMPTOM	CORRECTIVE ACTION
No power.	• Make sure the power cord is connected to an AC outlet. • Make sure the power is turned on.
Timer recording is not possible.	• Make sure the timer recording is set correctly. • Make sure the power is off. • Make sure the VCR clock is set correctly.
Recording mode cannot be engaged.	• Make sure the erase-prevention tab on the tape is intact. If removed, cover the hole after the tab with adhesive tape.
No picture or poor picture on playback.	• Set your TV to the video channel. • Fine tune your TV.
No picture but the audio is OK in playback.	• Head cleaning is necessary, consult the nearest Authorized Service Centre.
Playback picture is partially noisy.	• Adjust tracking control for a better picture by using the PROGRAM (▲/▼) buttons.
On-the-air TV programmes cannot be seen.	• Re-check the AERIAL and RF OUT connections. • Set your TV to the TV channel correctly.
No operation by infrared Remote Control.	• Check the batteries in the remote control.
Video or colour fades in and out when making a copy of a video tape.	• You cannot copy a copyrighted video tape. You are experiencing copy guard protection.

Make your contribution to the environment!!!

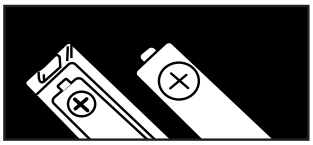
- Spent batteries do not belong in the dustbin.
- You can dispose of them at a collection point for spent batteries or special waste. Contact your council for details.

BATTERY SAFETY GUIDELINES

PLEASE PHOTOCOPY AND DISPLAY

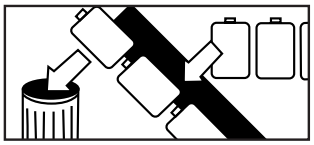
Used correctly, domestic batteries are a safe and dependable source of portable power. Problems can occur if they are misused or abused — resulting in leakage or, in extreme cases, fire or explosion.
Here are some simple guidelines to safe battery use designed to eliminate any such problems.

ALWAYS



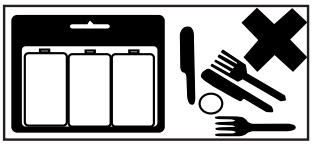
Take care to fit your batteries correctly, observing the plus and minus marks on the battery and appliance. Incorrect fitting can cause leakage or in extreme cases, fire or even an explosion.

ALWAYS



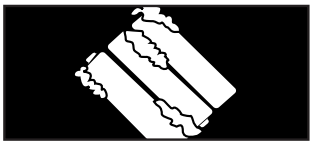
Replace the whole set of batteries at one time, taking care not to mix old and new batteries or batteries of different types, since this can result in leakage or in extreme cases, fire or even an explosion.

ALWAYS



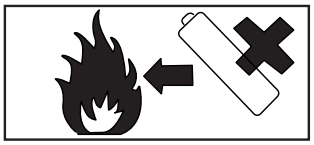
Store unused batteries in their packaging and away from metal objects which may cause a short-circuit resulting in leakage or, in extreme cases, fire or even an explosion.

ALWAYS



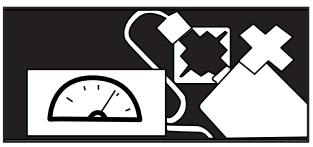
Remove dead batteries from equipment and all batteries from equipment you know you are not going to use for a long time. Otherwise the batteries may leak and cause damage.

NEVER



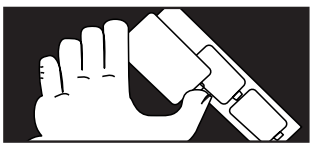
Never dispose of batteries in fire as this can cause them to explode. Please put dead batteries in with the normal household waste.

NEVER



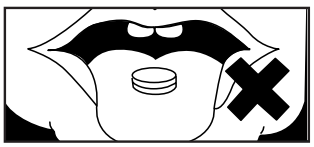
Never attempt to recharge ordinary batteries, either in a charger or by applying heat to them. They may leak cause fire or even explode. There are special rechargeable batteries which are clearly marked as such.

ALWAYS



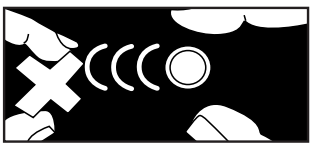
Supervise children if they are replacing batteries themselves in order to ensure these guidelines are followed.

NEVER



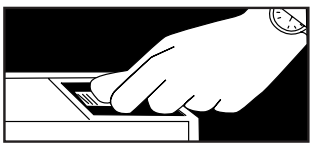
Remember that small button cell batteries such as used in some hearing aids, toys, games and other appliances, are easily swallowed by young children and this can be dangerous.

ALWAYS



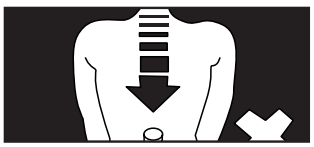
Keep loose button cells away from young children.

ALWAYS



Make sure battery compartments are secure.

ALWAYS



Seek medical advice if you believe a cell has been swallowed.

SOME DO'S AND DON'TS ON THE SAFE USE OF EQUIPMENT

This equipment has been designed and manufactured to meet international safety standards but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

★★★★★★★★★★★

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturer's instructions.

Switch off and withdraw the mains plug when making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

★★★★★★★★★★★

DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way switch off, withdraw the mains plug and consult your dealer.

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure that your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T obstruct the ventilation of the equipment, for example with curtains or soft furnishings.

Overheating will cause damage and shorten the life of the equipment.

DON'T use makeshift stands and NEVER fix legs with wood screws — to ensure complete safety always fix the manufacturer's approved stand or legs with the fixings provided according to the instructions.

DON'T allow electrical equipment to be exposed to rain or moisture.

ABOVE ALL

--- NEVER let anyone especially children push anything into holes, slots or any other opening in the case — this could result fatal electrical shock:

--- NEVER guess or take chances with electrical equipment of any kind.

--- it is better to be safe than sorry!

★★★★★★★★★★★

DECLARATION OF CONFORMITY

EMC-Directive:	89 / 336 / EEC
Low Voltage Directive:	73 / 23 / EEC
CE- Marking:	93 / 68 / EEC

We: HITACHI EUROPE LTD.
Whitebrook Park
Lower Cookham Road
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Berkshire
SL6 8YA

declare that the Video Cassette Recorder
VT-FX440E(UK)
is in compliance with following norms:

EN 55013: 2001
EN 55020: 2002
EN 61000-3-2: 2000
EN 61000-3-3: 1995 + A1: 2001
EN 60065: 1998

HITACHI - YOUR GUARANTEE (UK & Ireland)

For the period of **12 MONTHS** from the date of purchase your product has the benefit of our **FULL PARTS AND LABOUR GUARANTEE** as detailed below.

We undertake to replace of repair any part of the product which fails due to a manufacturing defect within 12 months of the date of purchase provided that.

1) The product has been installed and used only in accordance with the instructions supplied with the product.

2) The product has not been repaired maintained, or modified by any person other than our authorised Engineer.

3) The product serial number is not removed or altered.

This guarantee does not apply to products acquired second-hand or for commercial or communal use.

This guarantee does not extend to user control adjustments, battery replacement and aerial adjustment. Any parts replaced under guarantee shall become the property of HITACHI EUROPE LTD.

Please note that evidence of the date of purchase will be required before service under guarantee is carried out.

This guarantee does not affect your statutory rights. In all cases of difficulty consult your HITACHI dealer.

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